Soil Characteristics Lab Summary

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In this lab, you examined the texture, structure, consistence, bulk density, and capillary action, of various soil types and samples.

**Day 1: Structure and Texture**

Purpose: To observe and describe the structure, consistence, and texture of clay and sand, and compare to a given sample.

**Hypothesis**: what type of soil do you think you have?

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**Conclusions**:

How would you describe your “outside sample”? In terms of your texture and structure observations so far, what is it most similar to? (you must refer to your data in your answer!)

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**Day 2: Bulk Density**

Purpose: T o determine the density of clay and sand and compare to a given sample

**Hypothesis**: How do you think your soil will compare?

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**Conclusions**: How does your sample compare to the given clay, sand, and humus? (refer to your data!!)

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**Day 3-4: Permeability**

Purpose: To compare the permeability and rate of absorption of sand, clay, humus, and your soil sample.

**Hypothesis**: What type of material will allow water to move through at the fastest rate? The slowest rate? How will your soil sample compare?

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**Conclusions**:

Which type of material holds the most water? How does your soil sample compare?

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In which type of material does water move the fastest and slowest? How does your soil sample compare?

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**Final Conclusions:**

Describe your soil sample as it compared to clay, sand, and humus. Describe every test you’ve done so far and how the sample compares.

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